



IN THE CLAIMS

Please amend claims 1-4, 6-12, 16, and 20-21 as follows. Please add new claims 22-24 as follows.

1. (Currently Amended) A method ~~of providing information associated with location determination apparatus of a mobile system, said method~~ comprising:

providing quality information ~~of regarding quality of results of past~~ measurements associated with location determination by at least two measurement devices;

storing said quality information ~~of measurements associated with location determination by at least two measurement devices~~ and identity information associated with the at least two measurement devices; and

providing selection information for selection of measurement devices for future location determinations, based upon the stored quality and identity information.

2. (Currently Amended) The method of claim 1, wherein the ~~step of~~ providing selection information comprises self-learning based upon historical quality information associated with measurement devices.

3. (Currently Amended) The method of claim 1, wherein the ~~step of~~ providing selection information comprises ranking possible measurement devices based upon historical quality information associated with measurement devices.

4. (Currently Amended) The method of claim 3, comprising ~~the further step of~~ selecting proper measurement devices based on the ranking.

5. (Original) The method of claim 1, comprising storing information identifying at least one cell of a mobile system.

6. (Currently Amended) ~~A method of providing location information associated with a user equipment of a mobile system, said method~~ comprising:

triggering a location process;  
obtaining selection information for selection of at least one measurement device, the selection information including information of measurement devices that have historically provided measurement information that satisfies a predefined criteria;  
selecting at least one measurement device; and  
locating the user equipment based on measurement information from the selected at least one measurement device.

7. (Currently Amended) ~~A method of determining a position of a mobile user equipment, said method~~ comprising:

storing historical data of various measurements in a mobile system;  
selecting at least one measurement device based upon the historical data;  
self-learning based upon selected historical data associated with measurement devices.

8. (Currently Amended) The method of ~~determining a position of a mobile user equipment as claimed in claim 7~~, wherein the ~~step of~~ self-learning comprises maintaining a self-learning table wherein look-up parameters are matched with information regarding the success of measurements by measurement devices obtained after a location attempt.

9. (Currently Amended) The method of ~~determining a position of a mobile user equipment as claimed in claim 8~~, wherein the ~~step of~~ maintaining ~~creation~~ a self-learning table comprises maintaining statistical historical information about which measurement

devices were able to receive transmissions from the mobile user equipment when at least one look-up parameter was observed.

10. (Currently Amended) The method of claim 8, comprising matching cell identity and timing advance parameters and/or a location estimate with information regarding the past success of measurements by measurement devices obtained after a location attempt.

11. (Currently Amended) The method of claim 8, comprising matching look-up parameters with information regarding the past success of measurements by location measurement units obtained after an uplink time difference of arrival location attempt.

12. (Currently Amended) A location system ~~for locating a mobile user equipment,~~ comprising:

at least two measurement devices configured to provide measurement data for location determination;

a quality controller configured to provide quality information ~~of~~ regarding quality of results of past measurements by the at least two measurement devices;

a storage configured to store quality information of measurements by the at least two measurement devices; and

a selection controller configured to provide selection information for selection of measurement devices for future location determinations based upon quality information that is stored in the storage.

13. (Original) The location system of claim 12, wherein the quality controller, the storage and the selection controller are provided in a location service element of a mobile system.

14. (Original) The location system of claim 12, comprising a location service element configured to select at least one measurement device based upon selection information, the selection information including information of measurement devices that have historically provided measurement information that satisfies a predefined criteria, and to locate a user equipment based on measurement information from selected at least one measurement device.

15. (Original) The location system of claim 12, wherein the selection controller is provided in a user equipment.

16. (Currently Amended) A network element for a mobile system, the network element comprising:

a processor ~~for processing~~ configured to process quality information associated with the quality of results of past location measurements by a plurality of measurement devices and ~~for providing to provide~~ selection information for selection of at least one measurement device for future location determinations based upon the quality information.

17. (Original) The network element of claim 16, wherein the processor is configured to provide deciding means for deciding which location measurement units can be used to locate a particular mobile user equipment.

18. (Original) The network element of claim 16, comprising a serving mobile location center.

19. (Original) The network element of claim 16, comprising a separate network element connected to a serving mobile location center.

20. (Currently Amended) A user equipment for a mobile system, the user equipment comprising:

a processor ~~for processing~~ configured to process quality information associated with the quality of results of past location measurements by a plurality of measurement devices of a first type and ~~for providing to provide~~ selection information for selection of ~~at least one measurement device~~ which of said plurality of measurement devices of a first type to use for future location determinations based upon the quality information.

21. (Currently Amended) A computer program comprising program code means adapted to perform at least one of steps of providing quality information of results of past location measurements by a plurality of measurement devices of a first type and selection information for selection of ~~measurement devices~~ which of said plurality of measurement devices of a first type to use for future location determinations based upon the quality information when the program is run on a computer.

22. (New) A system comprising:

providing means for providing quality information regarding quality of results of past measurements associated with location determination by at least two measurement devices;

storing means for storing said quality information and identity information associated with the at least two measurement devices; and

selecting means for providing selection information for selection of measurement devices for future location determinations based upon the stored quality and identity information.

23. (New) A system comprising:

triggering means for triggering a location process;

obtaining means for obtaining selection information for selection of at least one measurement device, the selection information including information of measurement devices that have historically provided measurement information that satisfies a predefined criteria;

selecting means for selecting at least one measurement device; and

locating means for locating user equipment based on measurement information from the selected at least one measurement device.

24. (New) A system comprising:

storing means for storing historical data of various measurements in a mobile system;

selecting means for selecting at least one measurement device based upon the historical data;

self-learning means for self-learning based upon selected historical data associated with measurement devices.